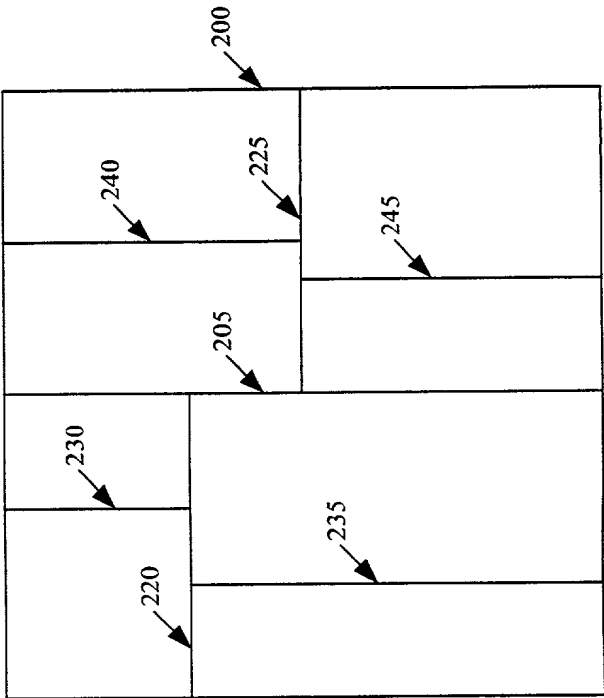


**Figure 2**



**Figure 3**

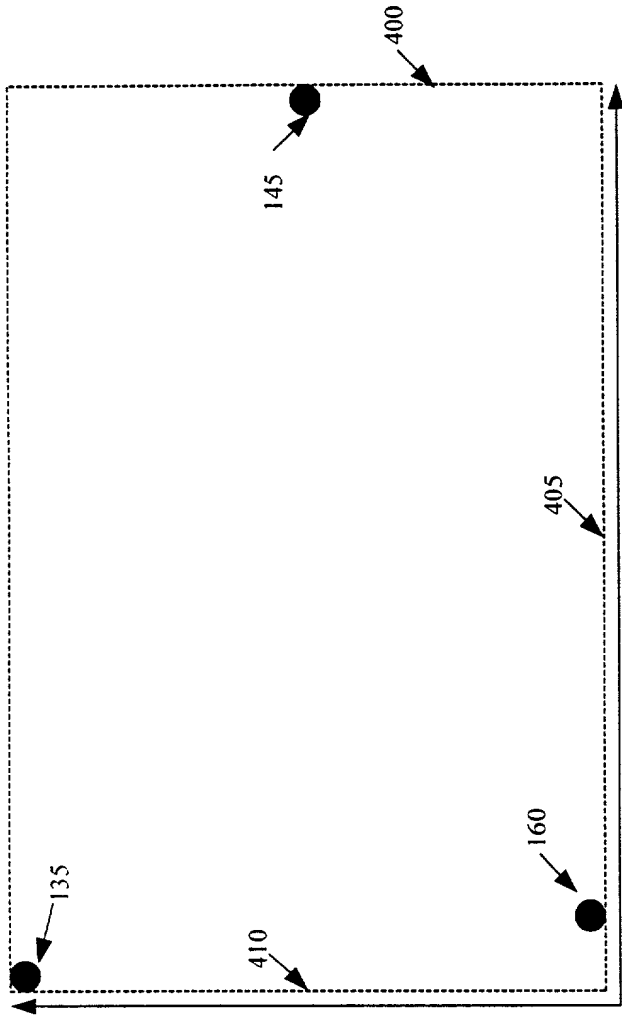


Figure 4

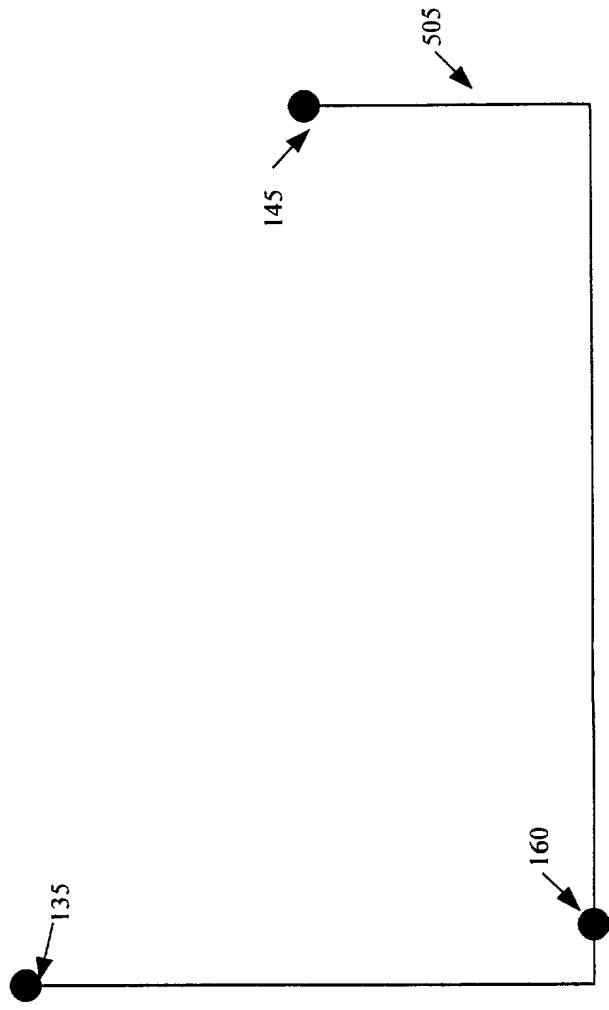
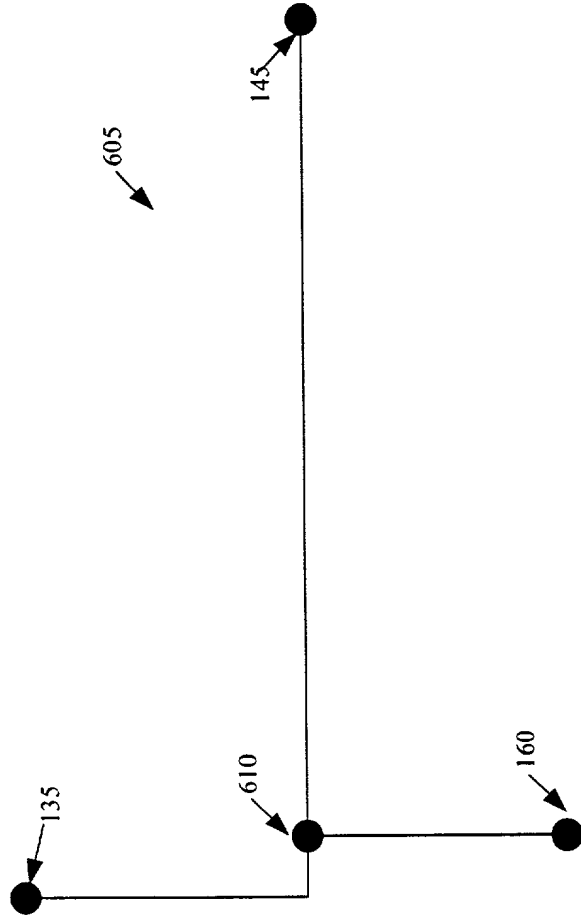


Figure 5



*Figure 6*

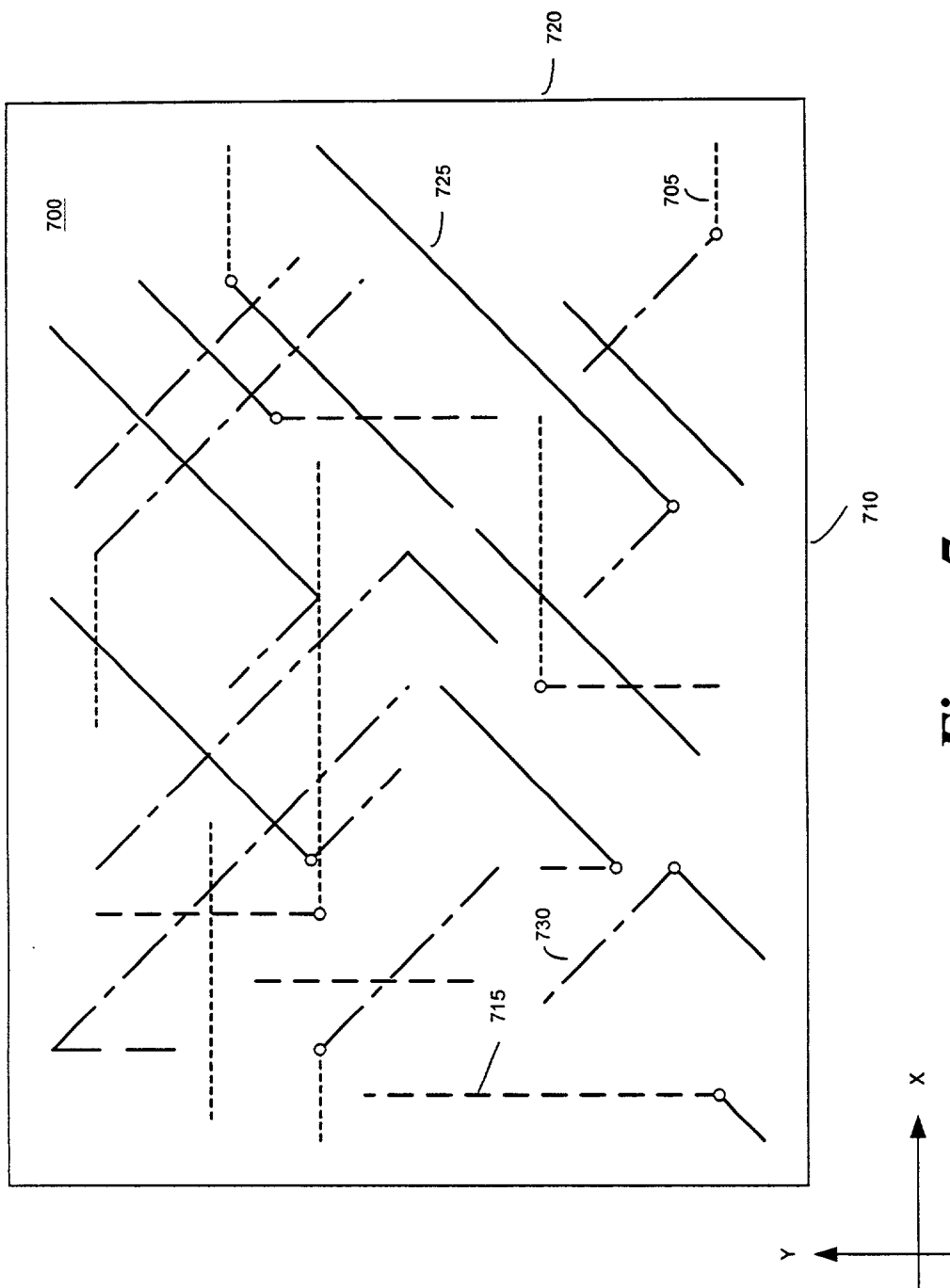
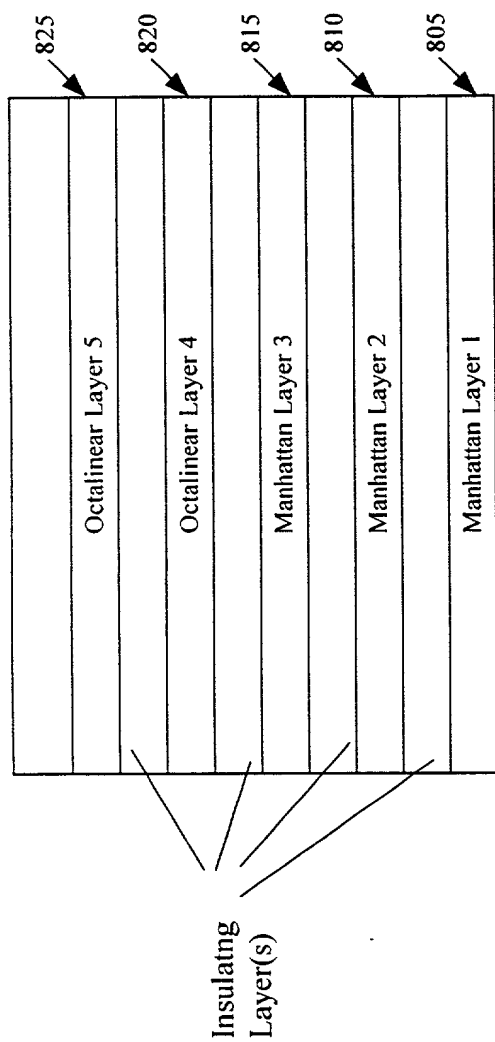
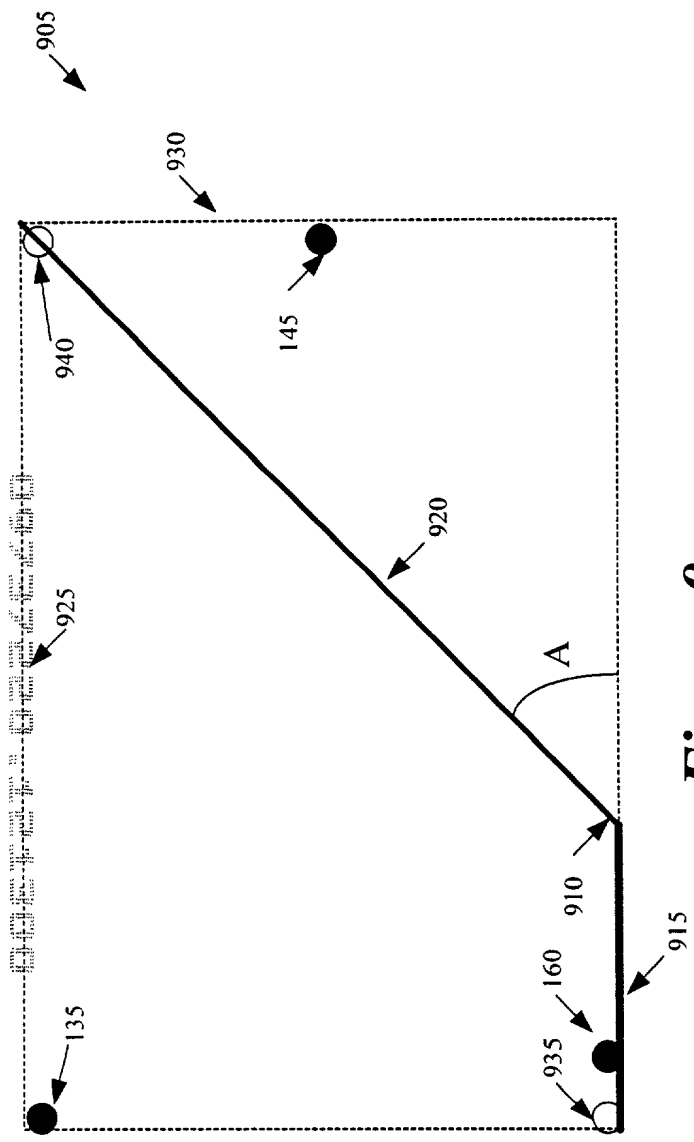


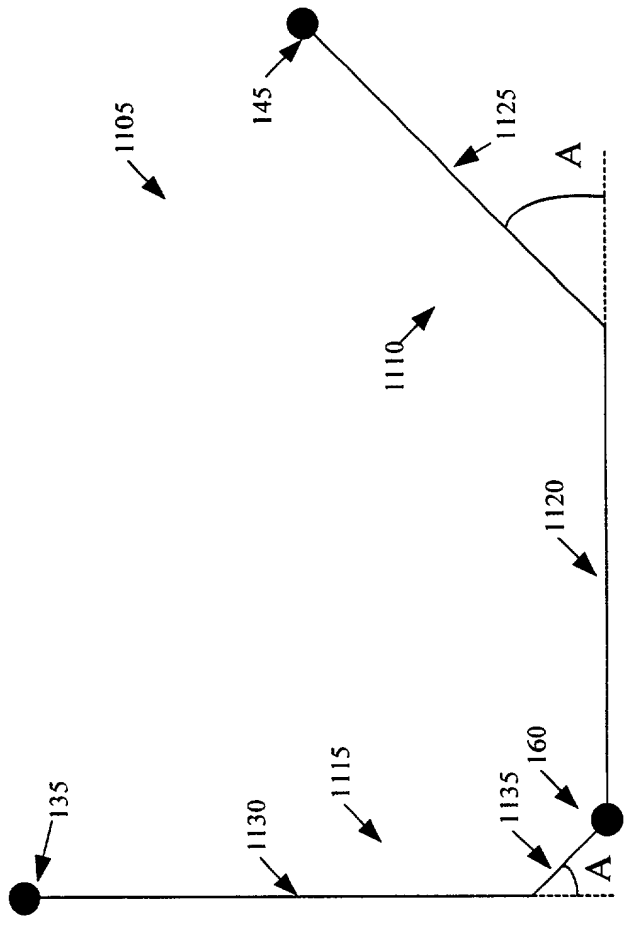
Figure 7



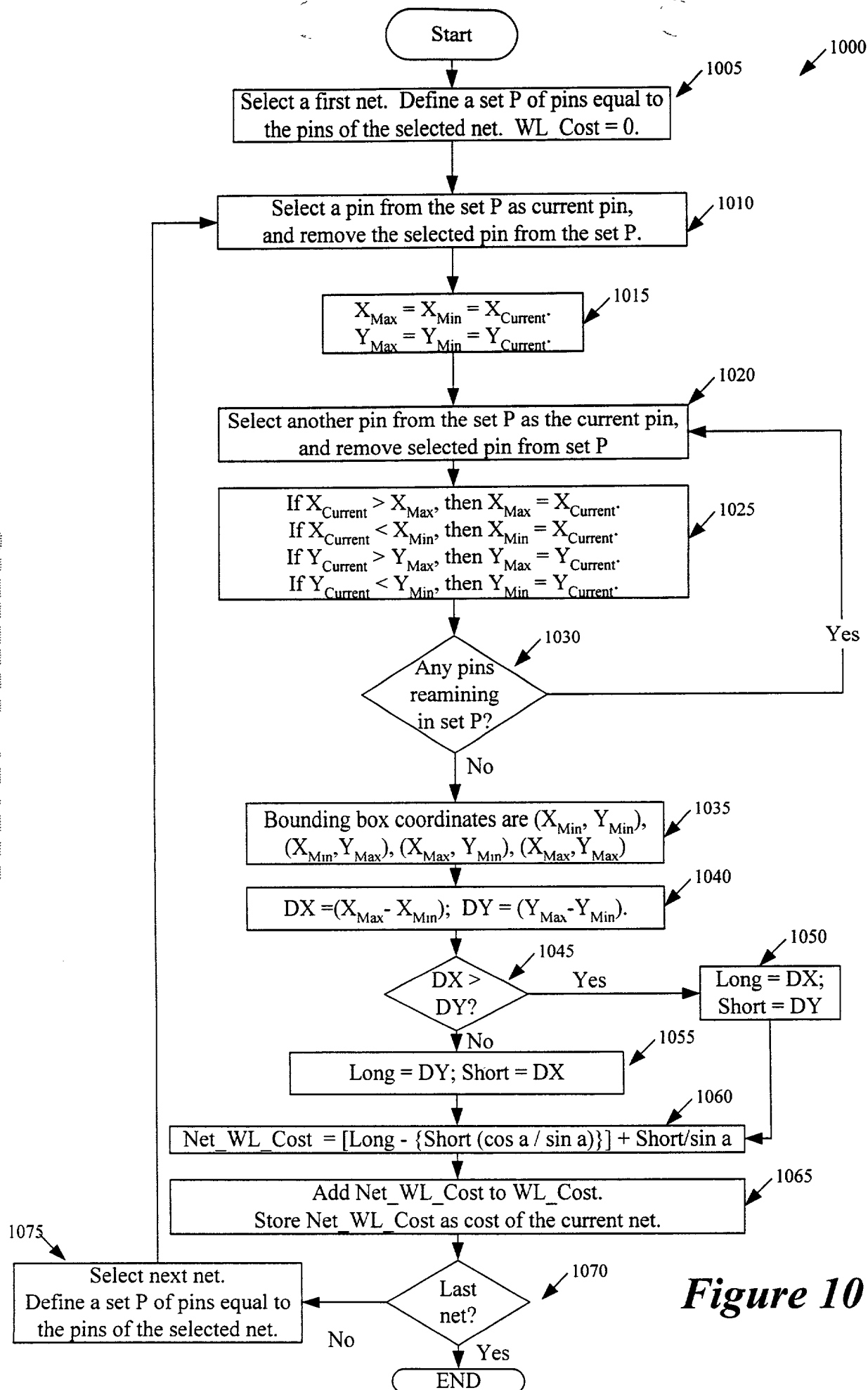
**Figure 8**



*Figure 9*

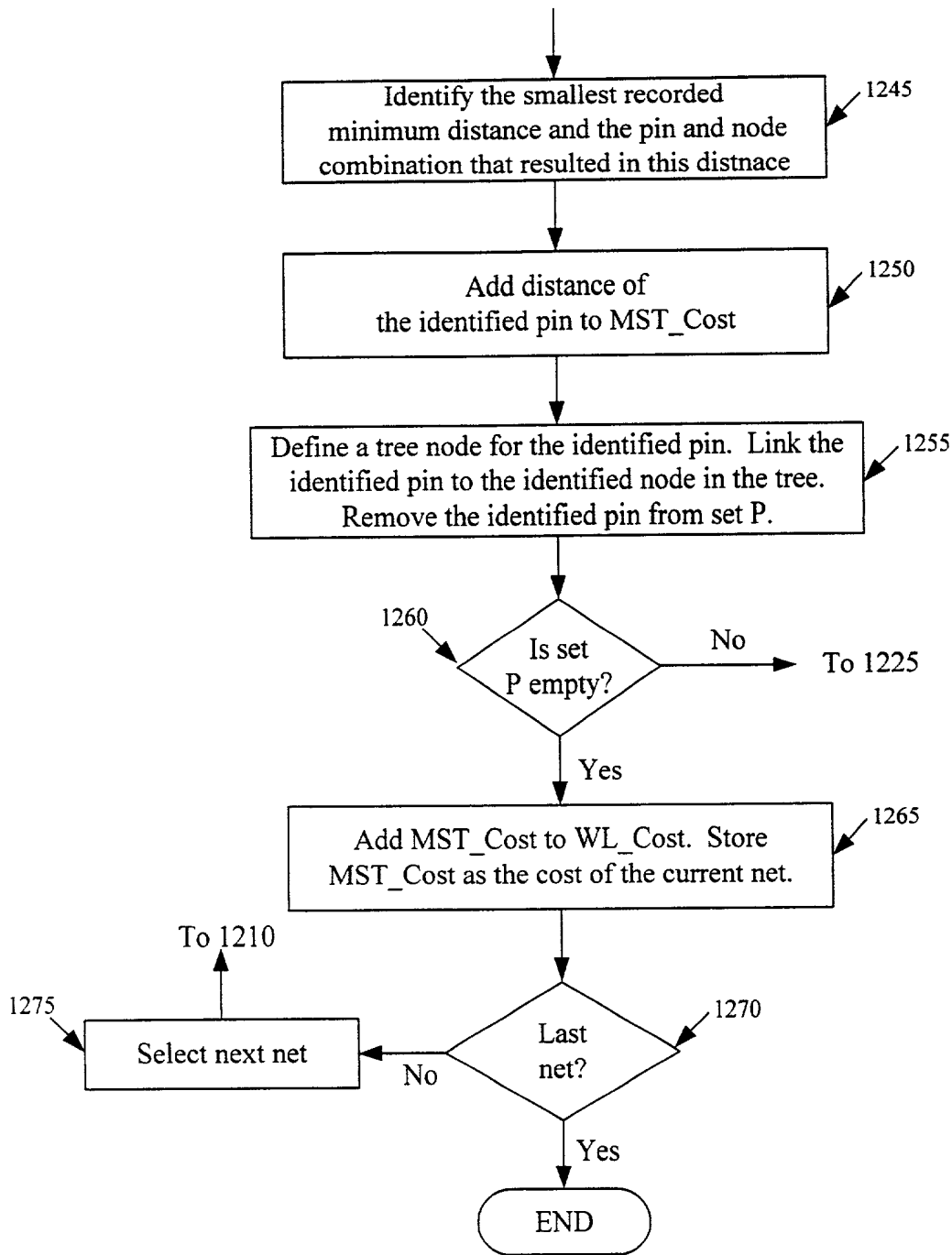


*Figure 11*

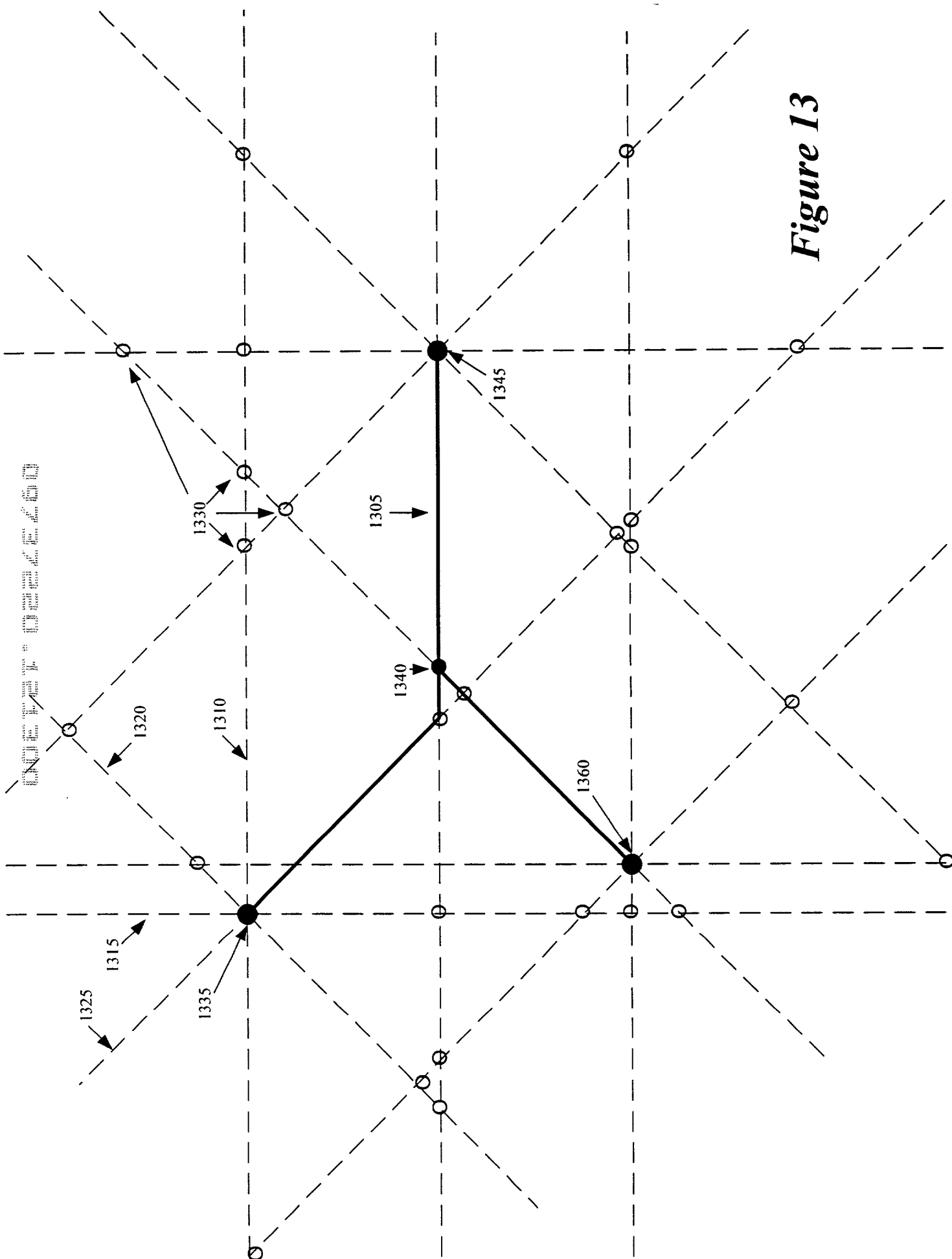




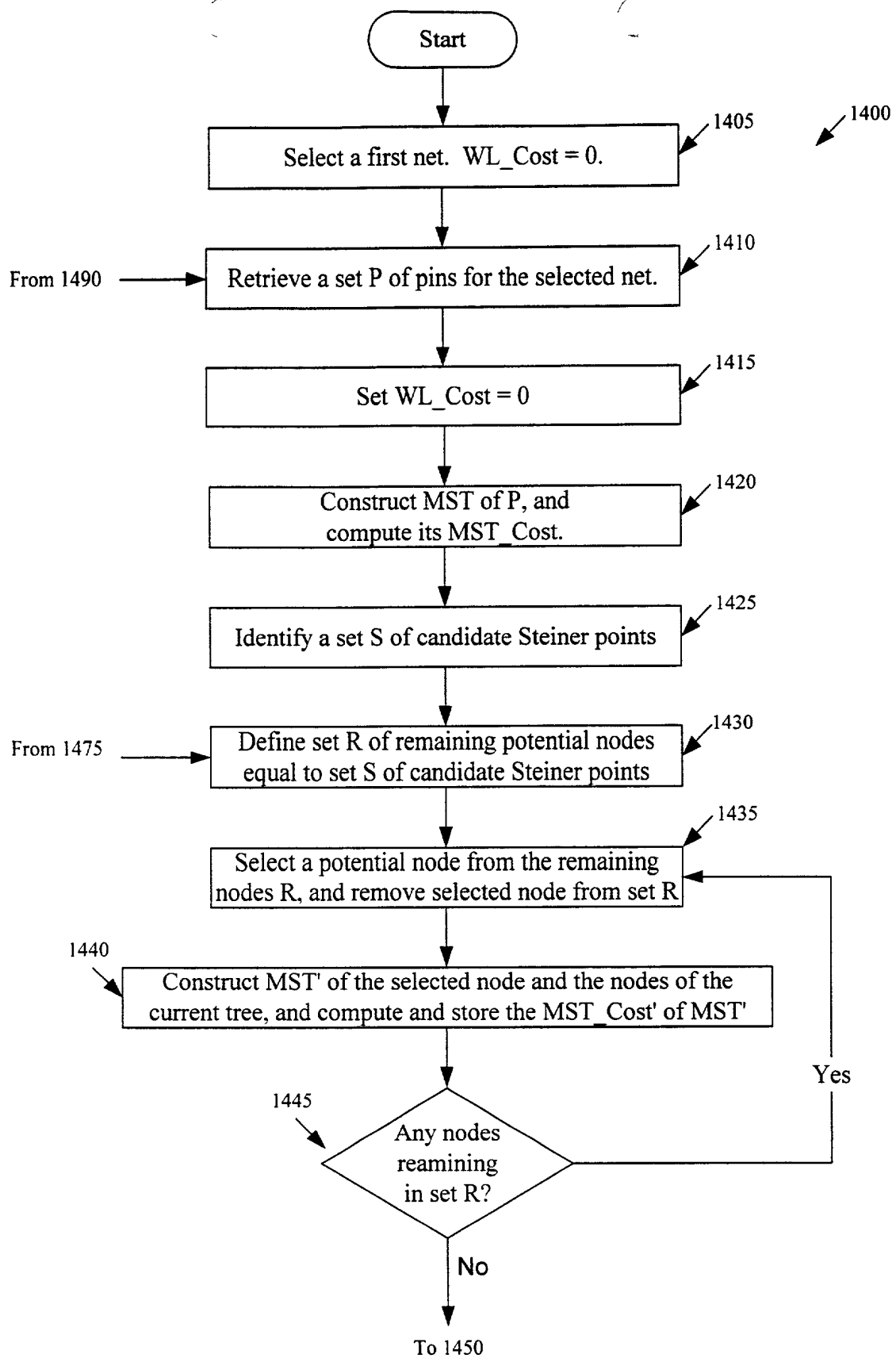




**Figure 12B**



*Figure 13*



**Figure 14:** *Figure 14A*  
*Figure 14A*

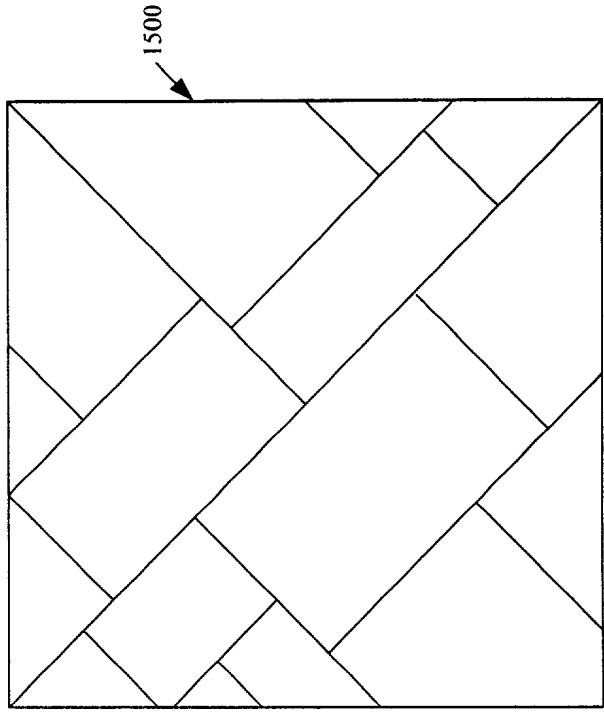
**Figure 14A**

```

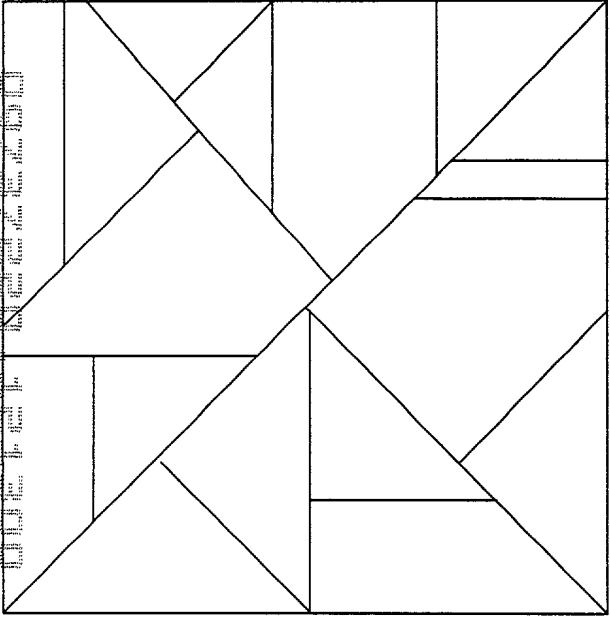
graph TD
    1445[ ] -- No --> 1450[1450 Identify smallest MST_Cost' computed at 1440]
    1450 --> 1455{1455 Identified smallest MST-Cost' < MST_Cost?}
    1455 -- No --> 1460[1460 Remove the Steiner node resulting in the identified smallest MST_Cost' from set S.]
    1455 -- Yes --> 1465[1465 MST = MST' that resulted in the identified smallest MST_Cost']
    1460 --> 1465
    1465 --> 1470[1470 MST_Cost = Identified smallest MST_Cost']
    1470 --> 1475{1475 Is set S empty?}
    1475 -- No --> 1430[To 1430]
    1475 -- Yes --> 1480[1480 ST = MST. Add MST_Cost to WL_Cost. Store MST_Cost as cost of the current net]
    1480 --> 1485{1485 Last net?}
    1485 -- No --> 1490[1490 Select next net]
    1490 -- To 1410 --> 1410[ ]
    1485 -- Yes --> 1495[1495 Return WL_Cost]
    1495 --> END([END])

```

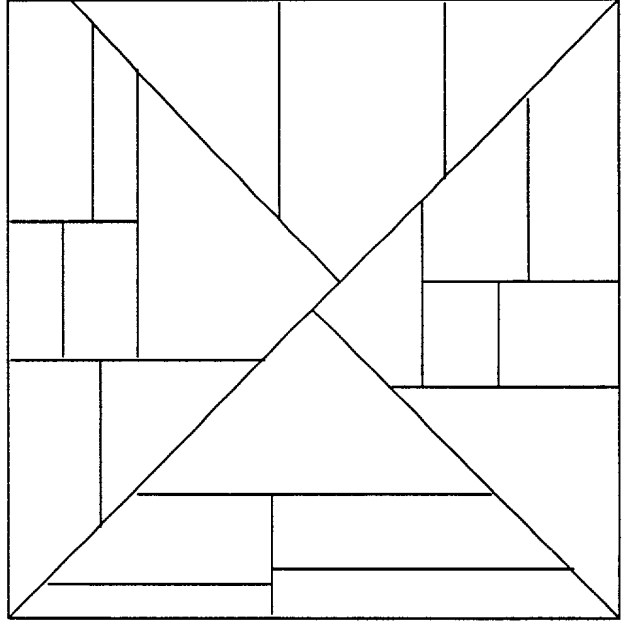
**Figure 14B**



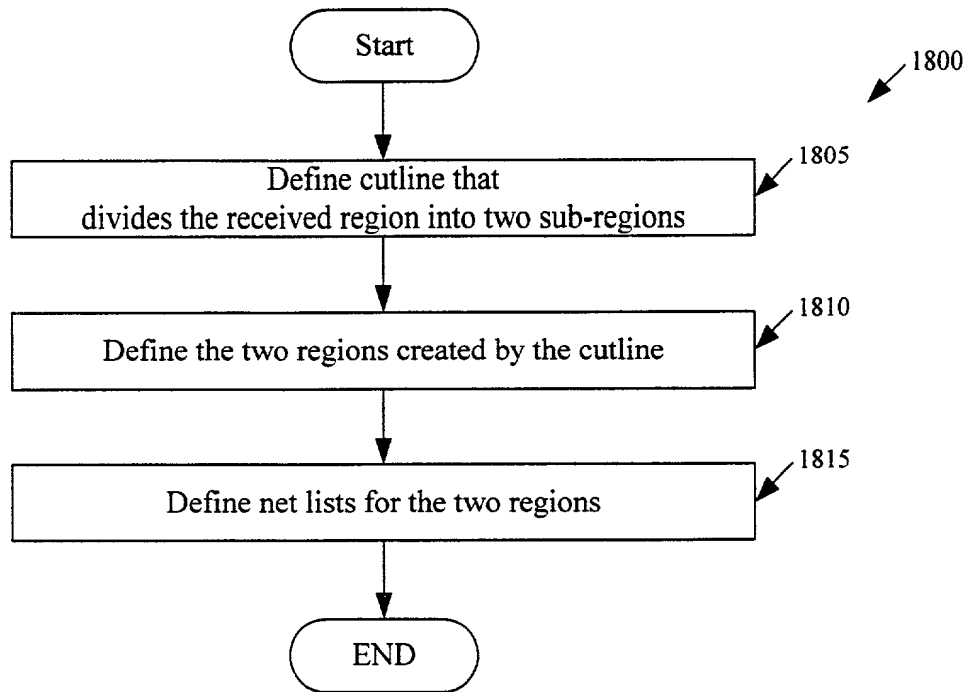
*Figure 15*



**Figure 16**

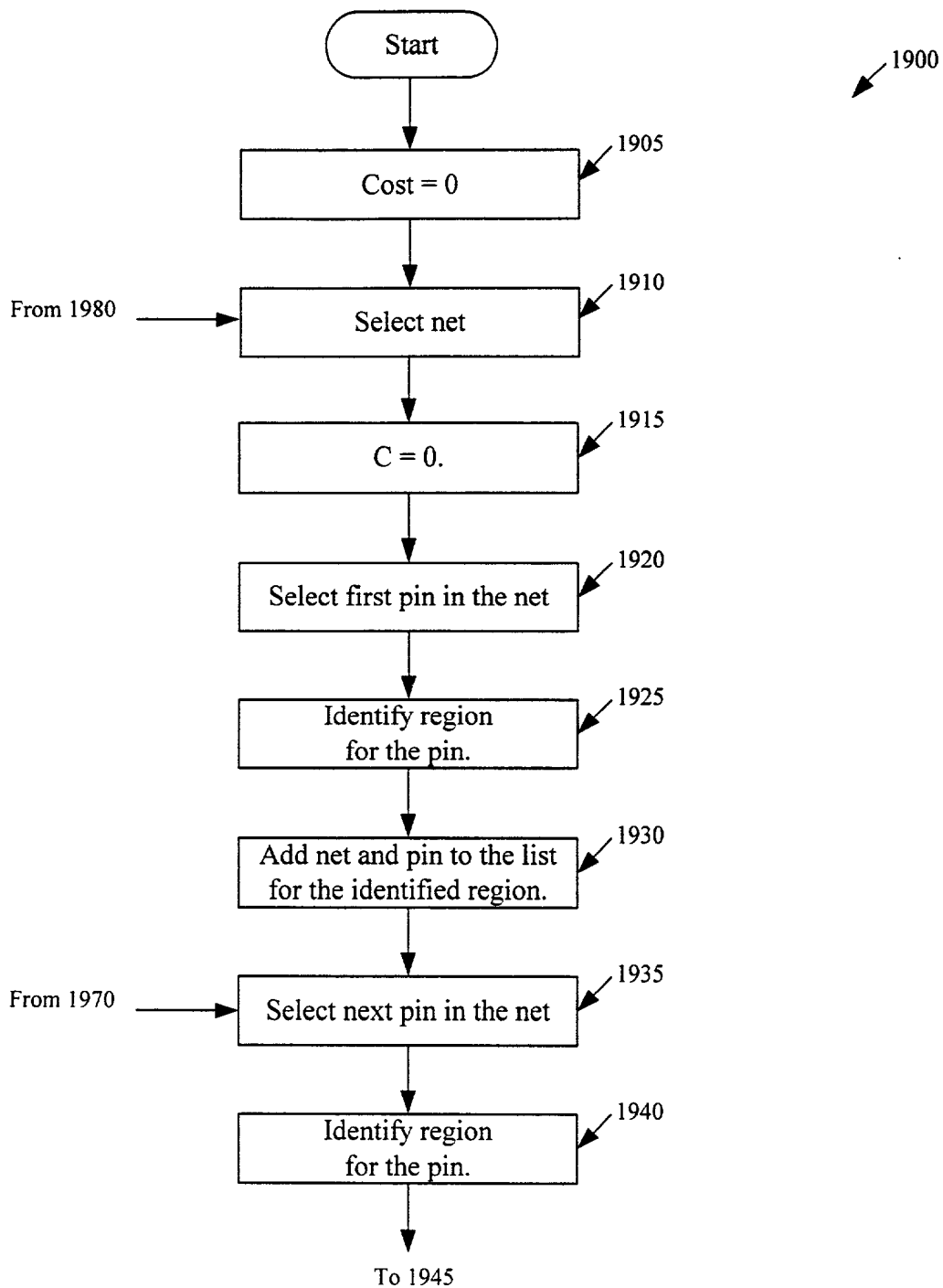


**Figure 17**



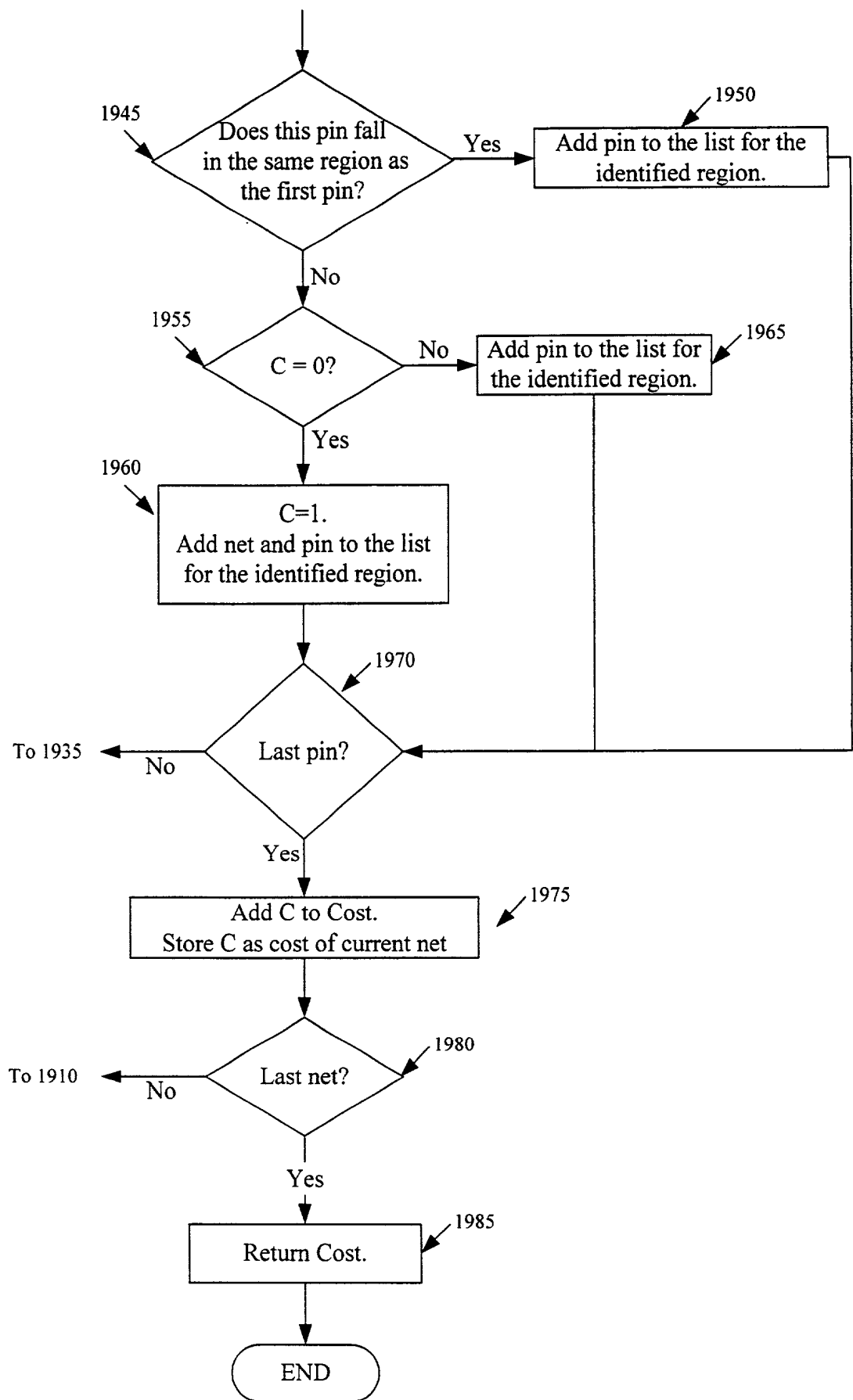
***Figure 18***





**Figure 19A**

**Figure 19:** Figure 19A  
Figure 19B



**Figure 19B**

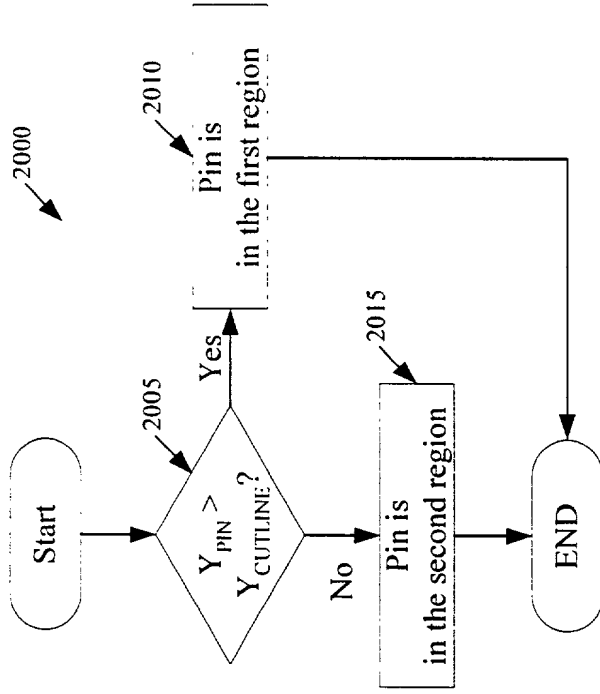


Figure 20

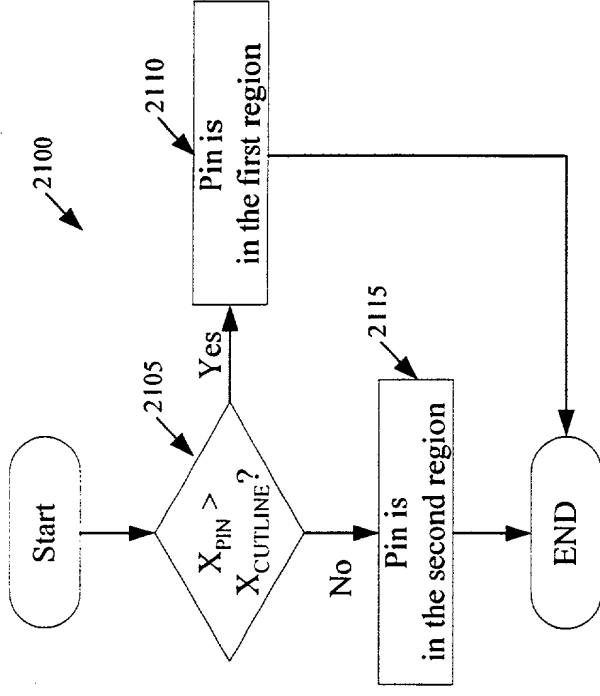


Figure 21

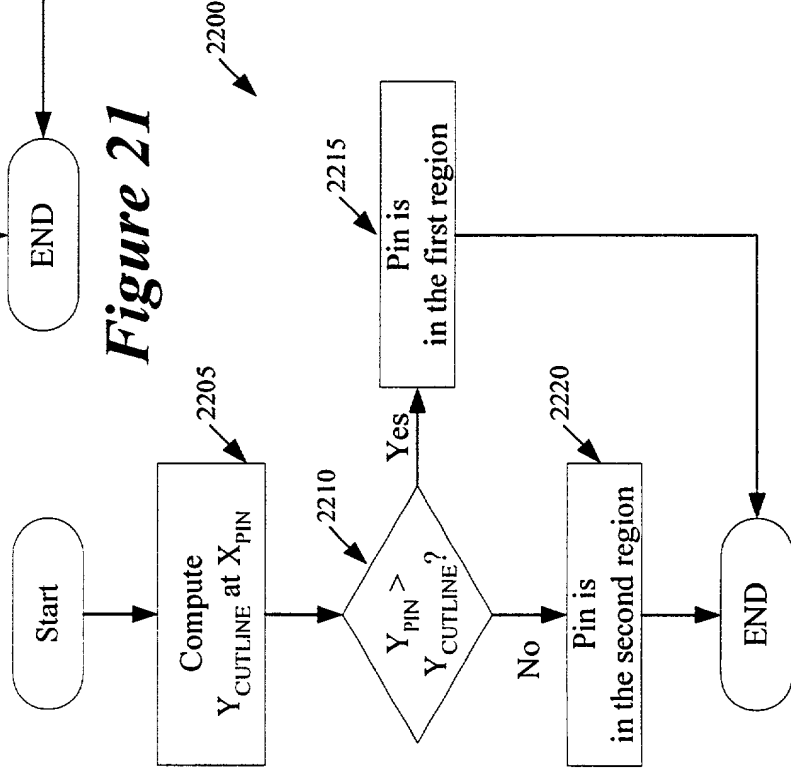
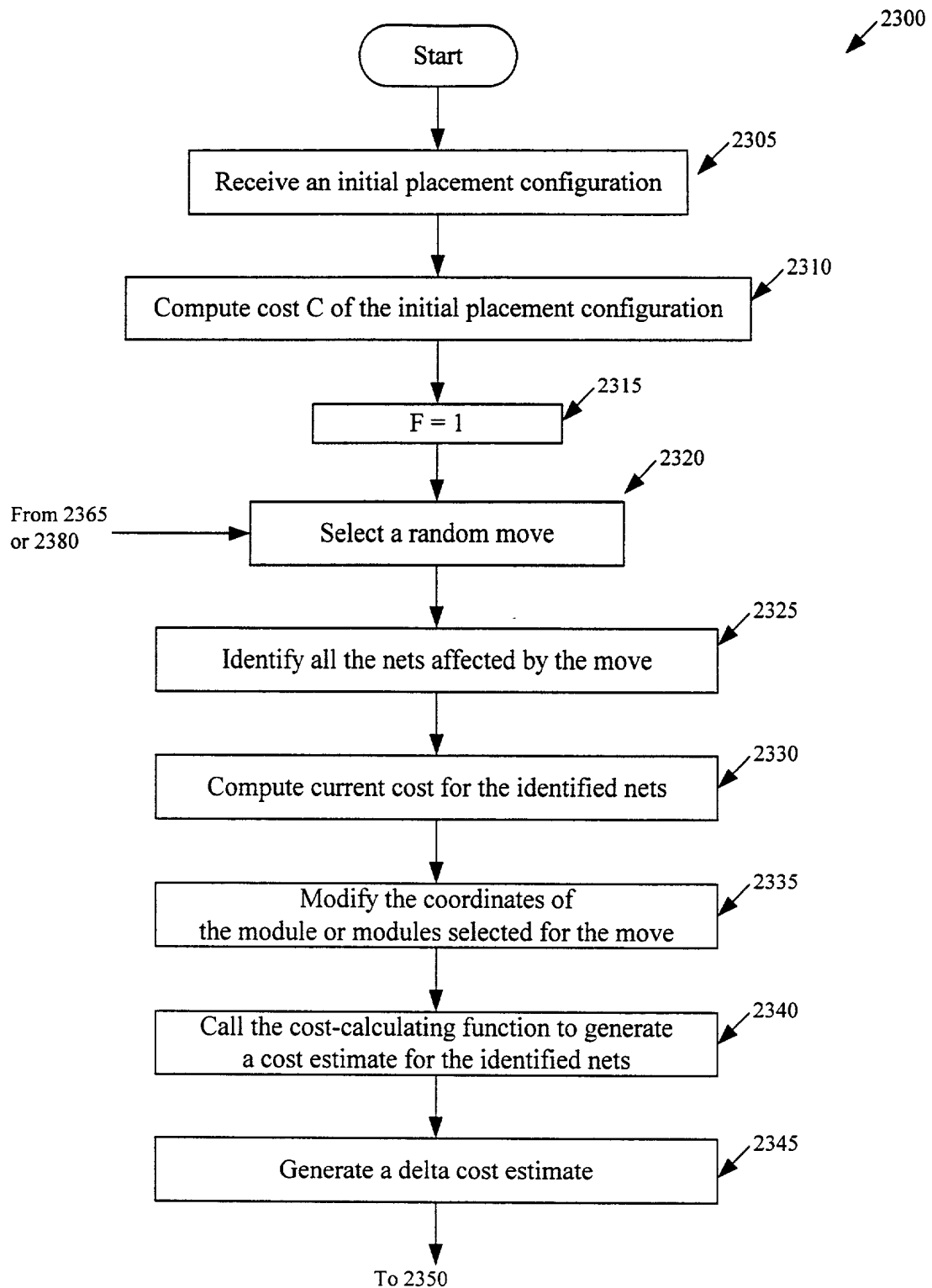
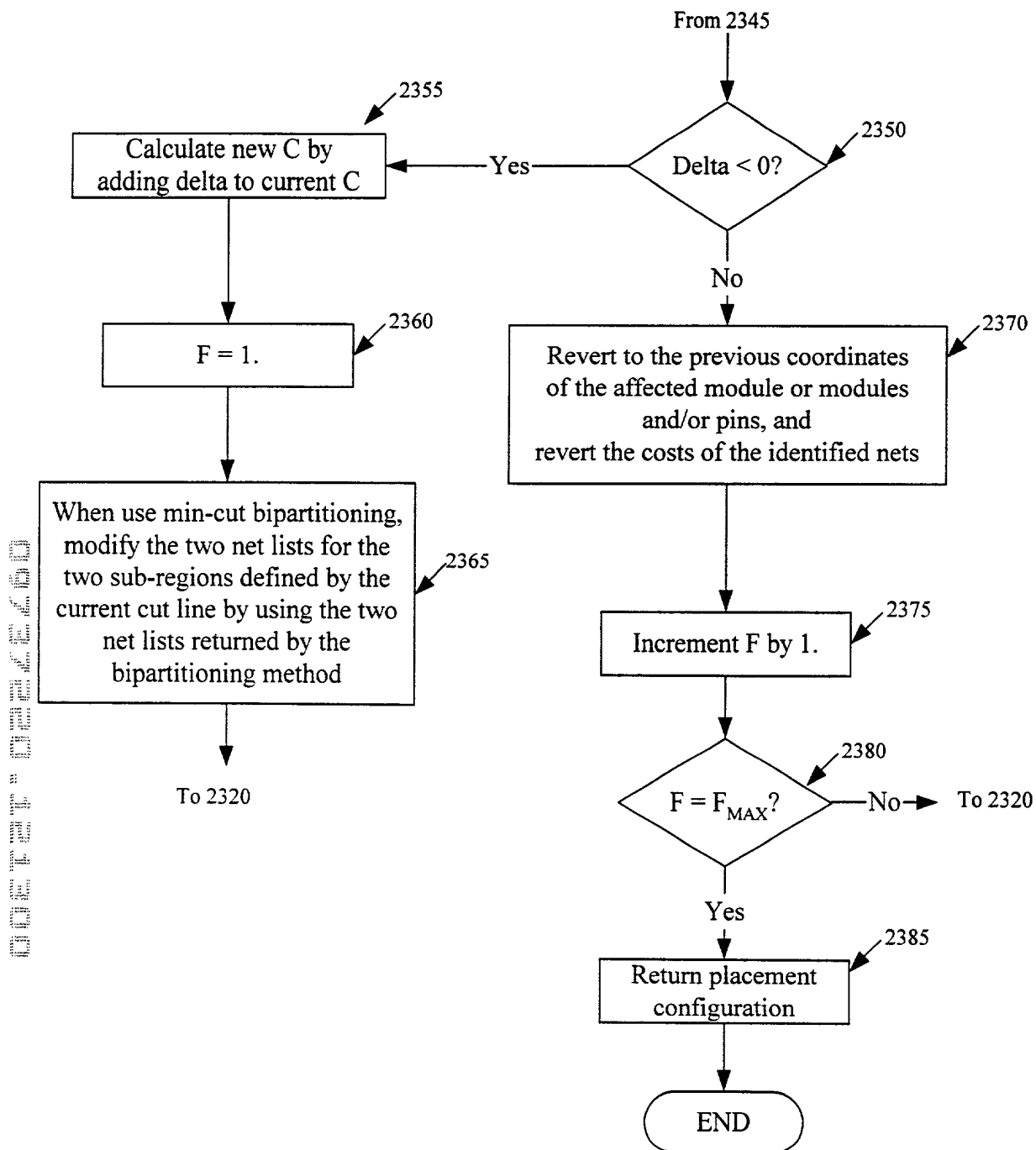


Figure 22

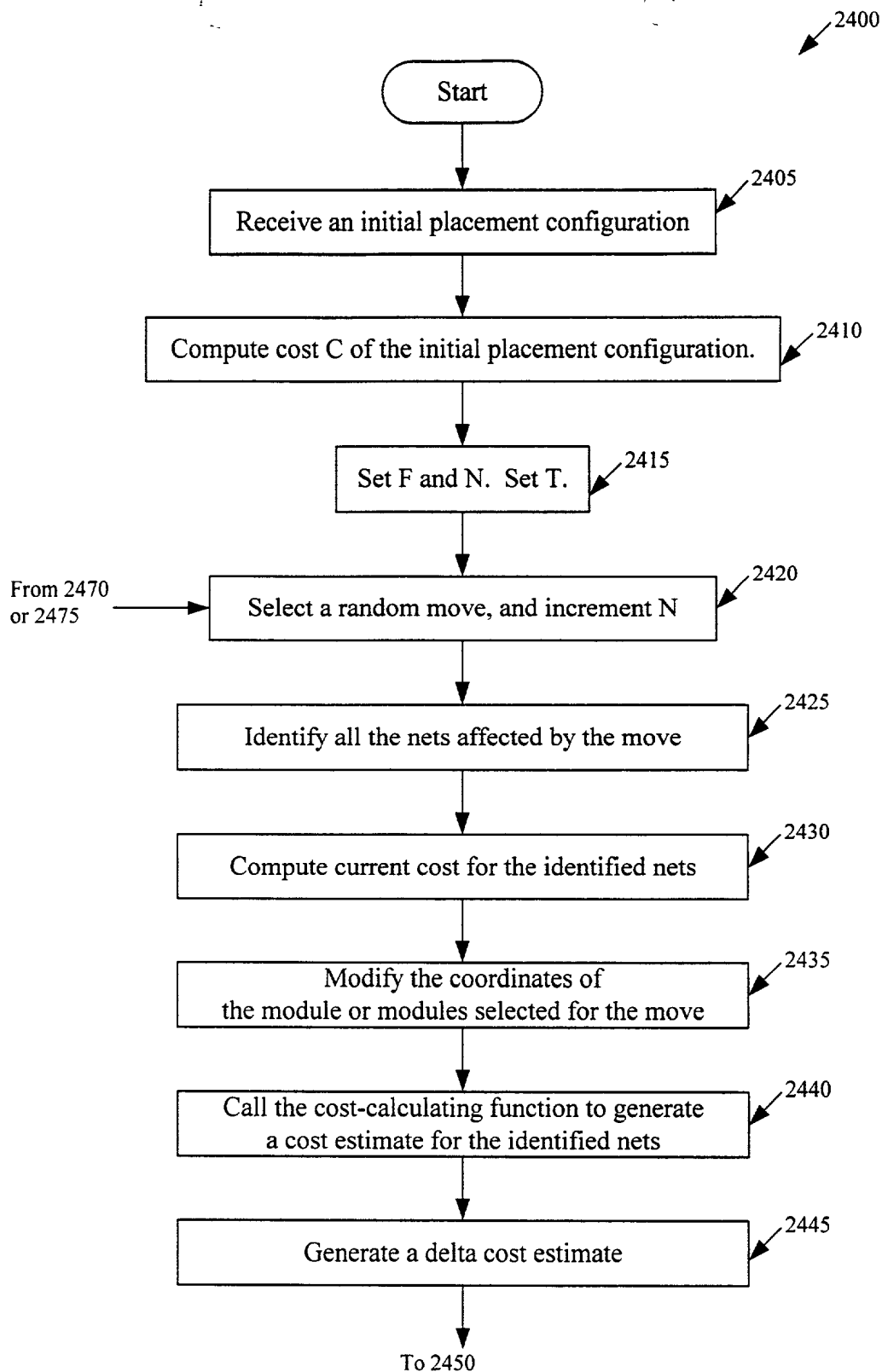


**Figure 23A**

**Figure 23:** Figure 23A  
Figure 23B

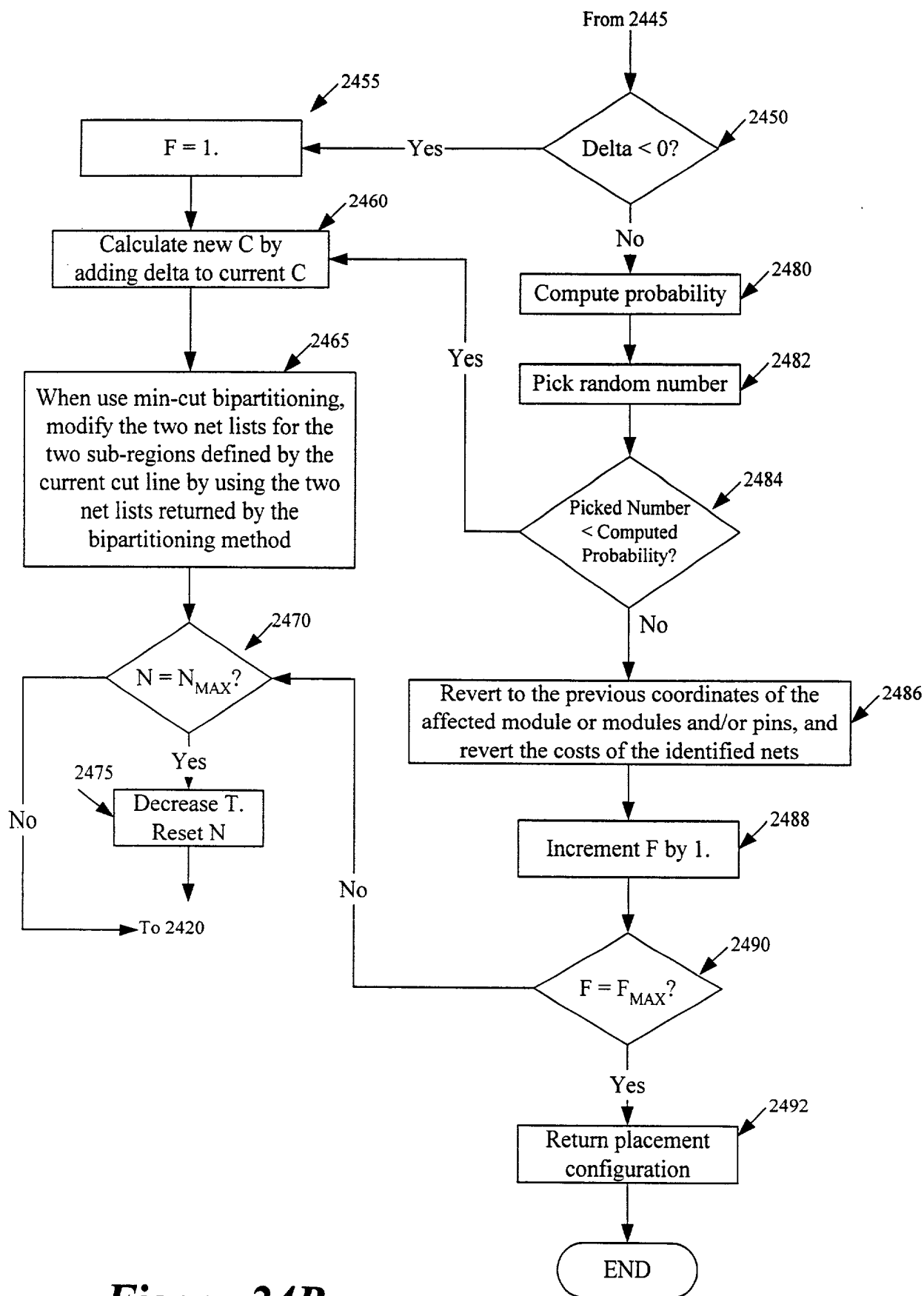


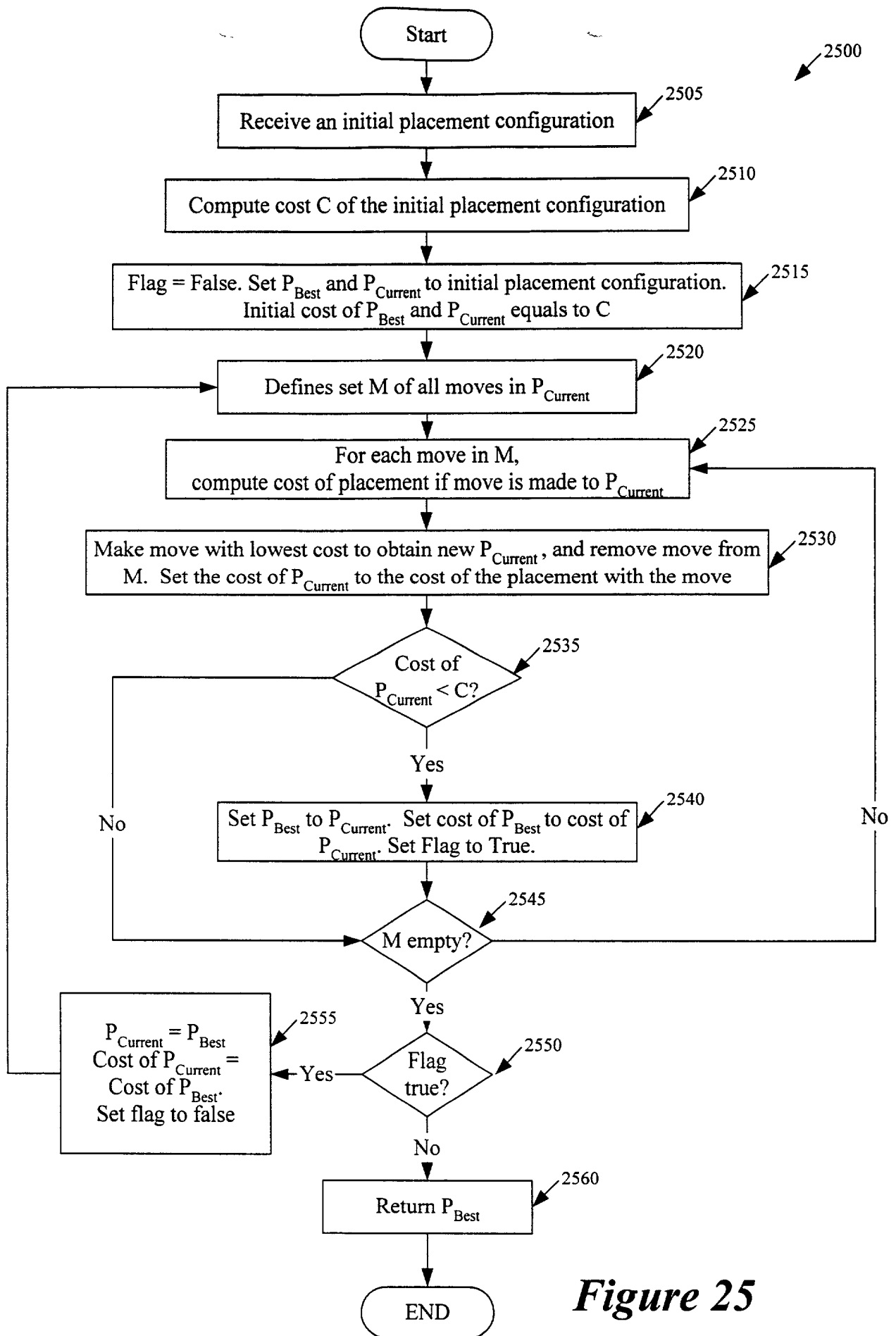
**Figure 23B**



**Figure 24A**

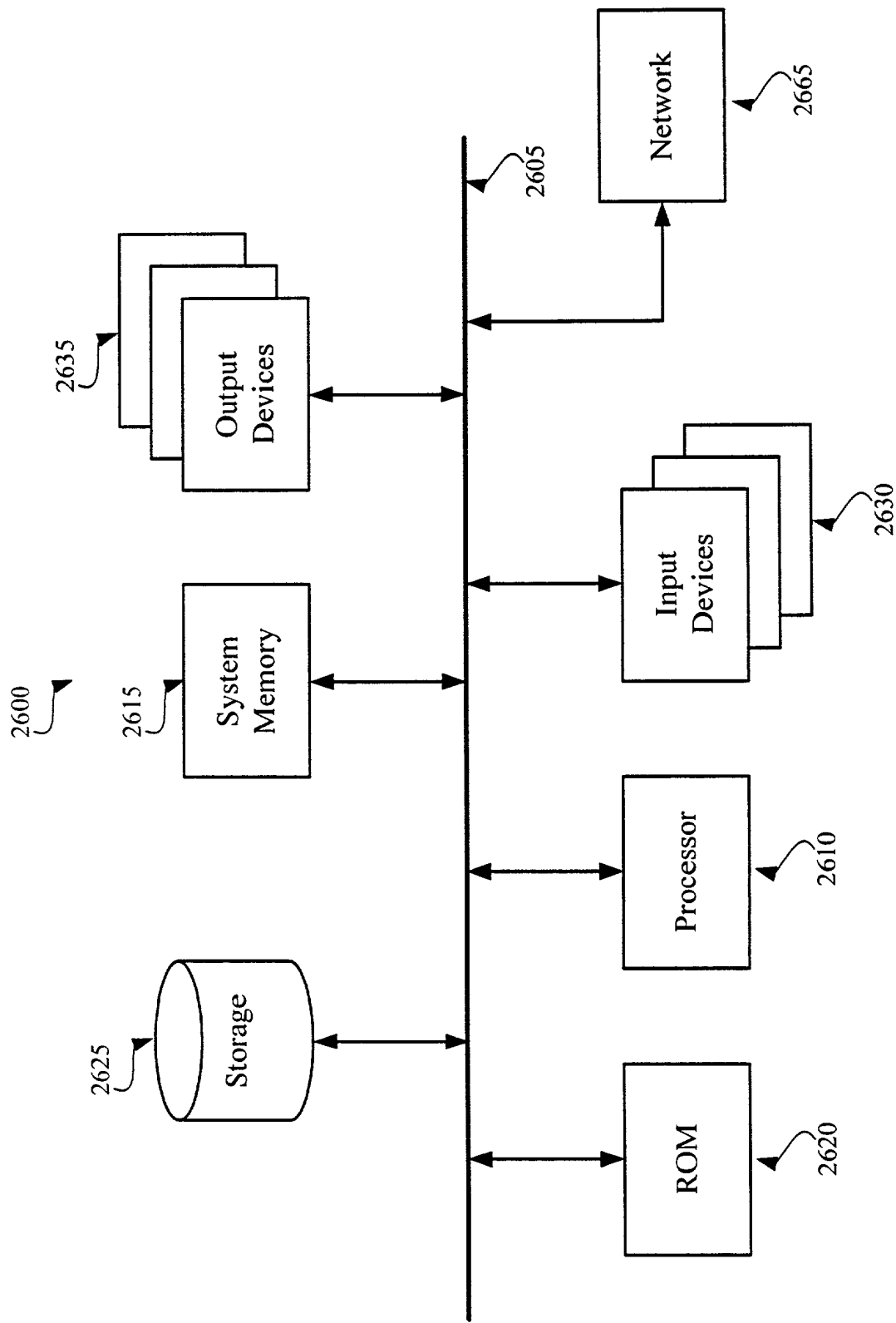
**Figure 24:** Figure 24A  
**Figure 24B**





**Figure 25**





**Figure 26**